

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Jin-Woo LEE et al.

Art Unit: 2821

Application No: 10/594,928

Examiner: Tan HO

Confirmation No: 5579

Atty. Docket No: 31656-236917

Filed: September 29, 2006

Customer No:

For: MULTIBAND ANTENNA USING WHIP
HAVING INDEPENDENT POWER
FEEDING IN WIRELESS
TELECOMMUNICATION TERMINAL

26694

PATENT TRADEMARK OFFICE

REQUEST FOR REFUND

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ATTENTION: Mail Stop Refunds

Dear Sir:

At the time of filing the Request for Continued Examination ("RCE") in the above-referenced application on August 12, 2008, Applicants authorized the U.S. Patent and Trademark Office to deduct a small entity filing fee of \$405.00 from Deposit Account 22-0261, along with a \$130.00 petition fee, totaling \$535.00. On August 13, 2008, our deposit account was charged an \$810.00 RCE fee. Payment of the large-entity fee was in error because Applicants and Assignee were entitled to small-entity status. Applicants, therefore, respectfully request a refund in the amount of \$405.00 representing the amount overcharged.

Copies of the date-stamped filing receipt, Fee Transmittal Form, Petition to Withdraw from Issue, Official Filing Receipt and Request for Continued Examination Transmittal are enclosed. A copy of the statement for Deposit Account No. 22-0261 indicating that \$810.00 was charged thereto on August 13, 2008 is also enclosed.

Application No.: 10/594,928

Docket No.: 31656-236917

Please refund the difference in the government fees (in the amount of \$405.00) between a small entity and a large entity by crediting the refunded amount to our Deposit Account No. 22-0261, and notifying the undersigned accordingly.

Dated: Sept 17, 2008

#305328

Respectfully submitted,

By Catherine M. Voorhees

Catherine M. Voorhees

Registration No.: 33,074

VENABLE LLP

P.O. Box 34385

Washington, DC 20043-9998

(202) 344-4000

(202) 344-8300 (Fax)

Attorney/Agent For Applicant

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</p> <h2 style="text-align: center;">FEE TRANSMITTAL</h2> <h3 style="text-align: center;">For FY 2008</h3>		<p>Complete if Known</p>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/594,928-Conf. #5779
		Filing Date	September 29, 2006
		First Named Inventor	Jin-Woo Lee
		Examiner Name	T. Ho
		Art Unit	2821
TOTAL AMOUNT OF PAYMENT		(\$)	535.00
		Attorney Docket No.	31656-236917

METHOD OF PAYMENT (check all that apply)

☐ Check
 ☐ Credit Card
 ☐ Money Order
 ☐ None
 ☐ Other (please identify): _____

☒ Deposit Account
 Deposit Account Number: 22-0261
 Deposit Account Name: Venable LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below
 ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17
 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	210	105
Multiple dependent claims	370	185

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

_____ - 20 = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

_____ - 3 = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3.

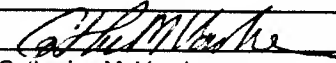
3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 = _____ (round up to a whole number) x _____ = _____		

4. OTHER FEE(S)

	Fee (\$)	Fee Paid (\$)
Processing Fee \$130 fee (no small entity discount)	130.00	
Other (e.g., late filing surcharge): 2801 Request for continued examination (RCE) (see 37 ...)	405.00	

SUBMITTED BY			
Signature		Registration No. (Attorney/Agent)	33,074
Name (Print/Type)	Catherine M. Voorhees	Telephone	(202) 344-4000
		Date	August 12, 2008

\\ODMA\PCDOCS\DC2DOCS\1976166\1

Docket No.: 31656-236917
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

AUG 12 2008

OFFICE OF PETITIONS

In re Application of:
Jin-Woo LEE *et al.*

Application No.: 10/594,928

Filed: September 29, 2006

For: MULTIBAND ANTENNA USING WHIP
HAVING INDEPENDENT POWER FEEDING
IN WIRELESS TELECOMMUNICATION
TERMINAL

Customer No. 26694

Confirmation No.: 5779

Art Unit: 2821

Examiner: Tan Ho

PETITION TO WITHDRAW FROM ISSUE UNDER 37 CFR 1.313(C)

Mail Stop Petition

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants respectfully petition that the above-identified application be withdrawn from issuance in order to consider Request for Continued Examination and the patent documents accompanying the same, as permitted under 37 CFR 1.313(c)(2).

The Request for Continued Examination under 37 CFR 1.114 and the necessary Information Disclosure Statement are attached.


In view of the above, Applicants hereby petition that the above-identified application be withdrawn from issuance and that the Examiner act on the request for continued examination.

08/13/2008 CKHLOK 00000002 220261 10594928
01 FC:1464 130.00 DA

The undersigned authorizes the Commissioner to charge the petition fee set forth in 37 CFR 1.17(h) of \$130.00, the Request for Continued Examination fee of \$405.00 (small-entity) and any other insufficiency associated with this communication to Deposit Account No. 22-0261.

Respectfully submitted,

Date: August 12, 2008


Catherine M. Voorhees
Registration No. 33,074
VENABLE LLP
P.O. Box 34385
Washington, D.C. 20043-9998
Telephone: (202) 344-4000
Telefax: (202) 344-8300

CMV/elw

::ODMA\PCDOCS\DC2DOCS\1976100\1



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
10/594,928	09/29/2006	2821	450	31656-236917	19	1

CONFIRMATION NO. 5779

26694
VENABLE LLP
P.O. BOX 34385
WASHINGTON, DC 20043-9998

FILING RECEIPT

Date Mailed: 05/31/2007

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **if an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Jin-Woo Lee, Gyeonggi-do, KOREA, REPUBLIC
OF;
Sang-Hyuk Mun, Incheon, KOREA, REPUBLIC
OF;

Assignment For Published Patent Application

ACE Technology, Incheon, KOREA, REPUBLIC OF

Power of Attorney: The patent practitioners associated with Customer Number 26694

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/KR04/00749 03/31/2004

Foreign Applications

If Required, Foreign Filing License Granted: 05/30/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/594,928**

Projected Publication Date: 09/06/2007

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Multiband Antenna Using Whip Having Independent Power Feeding In Wireless
Telecommunication Terminal

Preliminary Class

343

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER**Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date

thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Request for Continued Examination (RCE) Transmittal Address to: Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	10/594,928-Conf. #5779
	Filing Date	September 29, 2006
	First Named Inventor	Jin-Woo Lee
	Art Unit	2821
	Examiner Name	T. Ho
	Attorney Docket Number	31656-236917

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
 Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).
- a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ii. ☐ Other _____
- b. ☒ Enclosed
- i. ☐ Amendment/Reply
- iii. ☒ Information Disclosure Statement (IDS)
- ii. ☐ Affidavit(s)/Declaration(s)
- iv. ☐ Other _____
2. **Miscellaneous**
- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(l) required)
- b. ☒ Other Petition to Withdraw From Issue Under 37 CFR 1.313(c)
3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- a. ☒ The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments to Deposit Account No. 22-0261. I have enclosed a duplicate copy of this sheet.
- i. ☒ RCE fee required under 37 CFR 1.17(e)
- ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)
- iii. ☒ Other \$130 Petition Fee
- b. ☐ Check in the amount of \$ _____ enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED			
Signature		Date	August 12, 2008
Name (Print/Type)	Catherine M. Voorhees	Registration No.	33,074

08/13 1200	11217376	31762-222891	1201	\$1,050.00	\$101,634.06
08/13 1311	29322784	62291-253321	8021	\$40.00	\$101,594.06
08/13 2757	77545059	28688-262641	7001	\$325.00	\$101,269.06
08/13 3876	11032145	32014-211725	1254	\$1,640.00	\$99,629.06
08/13 3877	11032145	32014-211725	1801	\$810.00	\$98,819.06
08/13 180	61136097	85213-249872	2005	\$105.00	\$98,714.06
08/13 181	61136097	85213-249872	2085	\$260.00	\$98,454.06
08/13 8	10594928	31656-236917	1464	\$130.00	\$98,324.06
08/13 9	10594928	31656-236917	1801	\$810.00	\$97,514.06
08/13 2	78710250	509265/1270	6403	\$100.00	\$97,414.06
08/13 9155	US0802262	31978-256652	8021	\$40.00	\$97,374.06
08/13 53	2609781		6205	\$100.00	\$97,274.06
08/13 54	2609781		6208	\$200.00	\$97,074.06
08/13 83	2547793		6205	\$100.00	\$96,974.06
08/13 85	2547793		6206	\$100.00	\$96,874.06
08/13 84	2547793		6208	\$200.00	\$96,674.06
08/13 115	2180377	25866-003/ALR/FXM	6205	\$100.00	\$96,574.06
08/13 116	2180377	25866-003/ALR/FXM	6201	\$400.00	\$96,174.06
08/13 126	77038754	72617.233398	6003	\$100.00	\$96,074.06
08/13 5	77145118	18747.243968	6001	-\$375.00	\$96,449.06
08/13 12536	12190761	32350-262651	1011	\$310.00	\$96,139.06
08/13 12539	12190761	32350-262651	1202	\$50.00	\$96,089.06
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08/14 52	10476545	19387.0083	1252	\$460.00	\$88,509.06
08/14 55	10476545	19387.0083	1801	\$810.00	\$87,699.06
08/14 833	12190761	32350-262651	8021	\$40.00	\$87,659.06
08/14 3	PAYMENT		9203	-\$44,055.00	\$131,714.06
08/14 4942	77546447	41374-262728	7001	\$975.00	\$130,739.06
08/14 6578	77546459	41374-262729	7001	\$975.00	\$129,764.06
08/14 7035	77546470	41374-262730	7001	\$975.00	\$128,789.06
08/14 5	11629121	32011-239096	2632	-\$250.00	\$129,039.06
08/14 6	11629121	32011-239096	2642	\$200.00	\$128,839.06
08/14 10344	US0806367	31978-259001	8021	\$40.00	\$128,799.06
08/14 22	12185448	75183-262229	1201	\$210.00	\$128,589.06
08/14 11194	09929278	36488-169754	1501	\$1,440.00	\$127,149.06
08/14 11195	09929278	36488-169754	1504	\$300.00	\$126,849.06
08/14 11376	11541572	75183-236739	1501	\$1,440.00	\$125,409.06
08/14 11377	11541572	75183-236739	1504	\$300.00	\$125,109.06
08/14 11450	11647482	75183-238770	1501	\$1,440.00	\$123,669.06
08/14 11451	11647482	75183-238770	1504	\$300.00	\$123,369.06
08/14 11990	10559054	32350-253501	1501	\$1,440.00	\$121,929.06
08/14 11991	10559054	32350-253501	1504	\$300.00	\$121,629.06
08/14 12265	10686814	28549-184882	2501	\$720.00	\$120,909.06
08/14 12266	10686814	28549-184882	1504	\$300.00	\$120,609.06

PATENT PROSECUTION RECEIPT OF FILING

236917

Venable Filing Number

Atty. Docket No: 31656-236917

Title of Application: MULTIBAND ANTENNA USING WHIP HAVING INDEPENDENT POWER FEEDING IN WIRELESS TELECOMMUNICATION TERMINAL

Application No: 10/594,928

Patent No. :

Attorney/LAA:

CMV/elw

PTO Due Date:

August 26, 2008

Current Date:

August 12, 2008

Filing Date:

September 29, 2006

Issue Date:

The following items were received from Venable LLP, Washington, D.C., by the U.S. Patent & Trademark Office on the date stamped hereon:

U.S. PTO FEES ENCLOSED

☒ **Petition to Withdraw From Issue**

☒ **Fee Transmittal**

____ New U.S. Patent Application
(____ pages of specification/claims)

____ Rule 53(d) Continued Prosecution Application

____ Rule 53(b) Continuation or Divisional Application
(attach copy of specification, claims, drawings and declaration)

____ U.S. National Stage Application of PCT Application

☒ **Request for Continued Examination (RCE) under 37 CFR 1.114**

____ Application Data Sheet

____ Substitute Specification

____ Priority Document-Cert. Copy of
Appln.#: ____; Country: ____; Date Filed: ____

____ Formal Drawings (____ sheets, Figs.)

____ Inventor Declaration

____ Assignment w/Cover Sheet

____ Response to Notice to File Missing Parts

____ Response to Notice to File Missing Requirement

____ Response to Requirement

Information Disclosure Statement with PTO Form SB/08a;

Supplementary EP Search Report dated 06/10/08 and

☒ **with 3 references attached**

____ Response

____ Amendment / Preliminary Amendment

____ Petition/Request for Extension of Time (mo. ext.)

____ Power of Attorney

____ Petition to Revive

____ Sequence Listing – CDR Enclosed? ____ Yes ____ No

____ Request for Non-Publication

____ Request to Rescind Non-Publication Request

____ Terminal Disclaimer

____ Notice of Appeal

____ Appeal Brief (*in triplicate*) / Reply Brief (*in triplicate*)

____ Request for Oral Hearing

____ Confirmation of Hearing Petition

____ Issue Fee Transmittal

____ Certificate of Correction

____ Maintenance Fee Transmittal

____ Status Inquiry

Other: (Please describe below)

RECEIVED

AUG 12 2008

OFFICE OF PETITIONS

____ Filing Fee

____ Search Fee

____ Examination Fee

____ Additional Claim Fee

____ Extension Fee

____ IDS Fee

____ Recordation Fee

____ Notice of Appeal Fee

____ Brief on Appeal

____ Oral Hearing Request Fee

\$130 Petition Fee

____ Issue Fee

____ Publication Fee

____ Certificate of Correction Fee

____ Maintenance Fee

____ Other Fees (Describe)

405.00 RCE

\$535.00 Total Fees Paid

Charge the above fees as follows:

☒ USPTO Deposit Account No. 22-0261

☐ USPTO Deposit Account No. _____

☐ USPTO not to charge any Deposit Account